L4 ANSWER 10 OF 561 CA COPYRIGHT 2004 ACS on STN
AN 140:6222 CA
ED Entered STN: 25 Dec 2003
TI Water-soluble fireproofing composition with good elasticity and adhesion to substrates
IN Masini, Giovanni
PA Italy
SO Ital., 10 pp.
CODEN: ITXXBY
DT Patent
LA Italian
IC ICM C09D
CC 42-7 (Coatings, Inks, and Related Products)
Section cross-reference(s): 55
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	IT 1311962	B1	20020320	IT 1999-GE130	19991104
PRAI	IT 1999-GE130		19991104		

AB The coating compn. with high adhesion to ferrous materials comprises 35-45 parts inorg. inert compd., 25-35 parts pozzolan **cement**, 18-20 parts **hydrated alumina**, 0 - 5 parts titania, 02 parts Al silicate, 3-3.5 parts film forming agent, 0.03-0.08 parts fluidizing agent, 0.10-0.20 rosin soap, 0.05 - 0.15 parts stabilizer, and at least 30% water. The inorg. inert compd. is selected from $CaCO_3$, quartz flour, or powd. minerals, the film forming agent is selected from styrene-acrylic resins and ethylene-vinyl acetate copolymer, and the stabilizer is selected from starch and carboxymethylated starch.
ST fireproofing coating high solids calcium carbonate acrylic binder; pozzolan **cement** alumina silicate EVA binder fireproofing coating; metal fireproofing waterborne coating adhesion elasticity
IT Coating materials
(fire-resistant; high-inorg. solids water-sol. fire-resistan